

IN THE UNITED STATES RECEIVING OFFICE

Applicant : Kimihiro Mabuchi et al.
Serial No. : 10/559,544
Filed : December 2, 2005
Title : POLYSULFONE-BASED HOLLOW-FIBER MEMBRANE WITH SELECTIVE
PERMEABILITY

MAIL STOP PCT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS

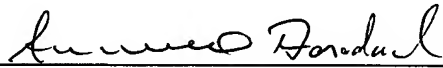
In response to the Notification of Missing Requirements mailed February 26, 2006 (copy enclosed), Applicant as a large entity submits herewith the following:

- ☒ An English translation of the application which was filed with the U.S. National Phase application on December 2, 2005. A copy is enclosed.

It is understood that this perfects the application and no additional papers or filing fees are required. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 3/29/06


Samuel Borodach
Reg. No. 38,388

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March 29, 2006
Date of Deposit



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| | | |
|-------------------------------------------------|-------------------------------------------|----------------------------------------|
| U.S. APPLICATION NUMBER NO. 10/559,544 | FIRST NAMED APPLICANT Kimihiro Mabuchi | ATTY. DOCKET NO. 19461-002US1 54027 |
| INTERNATIONAL APPLICATION NO. PCT/JP04/07990 | | |
| I.A. FILING DATE 06/02/2004 | PRIORITY DATE 11/26/2003 | |

26211
 FISH & RICHARDSON P.C.
 P.O. BOX 1022
 MINNEAPOLIS, MN 55440-1022

CONFIRMATION NO. 9149

371 FORMALITIES LETTER



OC000000018142971

Date Mailed: 02/28/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 12/02/2005
- Copy of the International Search Report filed on 12/02/2005
- Preliminary Amendments filed on 12/02/2005
- Information Disclosure Statements filed on 12/02/2005
- Oath or Declaration filed on 12/02/2005
- Request for Immediate Examination filed on 12/02/2005
- U.S. Basic National Fees filed on 12/02/2005
- Assignment filed on 12/02/2005
- Priority Documents filed on 12/02/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Translation of the application into English. Note a processing fee will be required if submitted later than 30 months from the priority date.
- Processing fee of \$.00 for providing the translation of the application and/or the Annexes later than 30 months from the priority date (37 CFR 1.492(i)).

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$.00 for a Large Entity:

- \$.00 for English translation surcharge required.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)


*A copy of this notice **MUST** be returned with the response.*

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|--------------------|
| 10/559,544 | PCT/JP04/07990 | 19461-002US1 54027 |

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------|------------------------------------------------------------|
| Attorney's Docket No. 19461-002US1 | Express Mail Label No. ET679044523US | Mailing Date December 2, 2005 | For PTO Use Only <i>Do Not Mark in This Area</i> |
| Application No. | Filing Date December 2, 2005 | Attorney/Secretary Init SXB/gzm | |
| Title of the Invention POLYSULFONE-BASED HOLLOW-FIBER MEMBRANE WITH SELECTIVE PERMEABILITY | | | |
| Applicant Kimihiro Mabuchi et al. | | | |
| Client Reference No. 542027 | | | |
| Enclosures <ul style="list-style-type: none"> · Transmittal Letter (3 pages in duplicate) · English Translation of Intl Patent Application (69 pages of specification, 2 pages of claims, 9 total claims, 1 page of abstract) · Assignment (3 pages); Recordation form cover sheet · Check in the amount of \$940.00 · Combined Declaration and Power of Attorney (4 pages) · Preliminary Amendment (5 pages) · IDS (1 page); Form PTO-1449 (1 page) · Documents listed on the Form PTO-1449 (16 documents) <i>(13 rlf. encl.)</i> · ISR (2 pgs); Appl cover sheet; PCT/IB/301 & 304; Front cover of WO 2005/051460  | | | |

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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 19461-002US1 542027 U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) |
| INTERNATIONAL APPLICATION NO. PCT/JP2004/007990 | INTERNATIONAL FILING DATE 2 June 2004 | PRIORITY DATE CLAIMED 26 November 2003 |
| TITLE OF INVENTION Polysulfone-Based Hollow-Fiber Membrane With Selective Permeability | | |
| APPLICANT(S) FOR DO/EO/US Kimihiro Mabuchi, Noriyuki Tamamura, Hidehiko Sakurai, Noriaki Kato, Hiroshi Shibano and Katsuhiko Nose | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | |
| Items 11 to 20 below concern document(s) or information included: | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | |
| CERTIFICATE OF MAILING BY EXPRESS MAIL Express Mail Label No. ET679044523US Date of Deposit: December 2, 2005 | | |

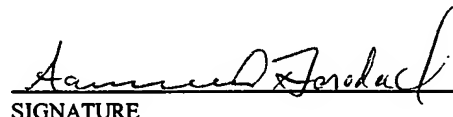
| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|
| U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) | INTERNATIONAL APPLICATION NO. PCT/JP2004/007990 | ATTORNEY'S DOCKET NUMBER 19461-002US1 |
| 20. Other items or information: International Search Report; Application cover sheet; Front cover of WO 2005/051460; PCT/IB/301&304; Form PTO-1449; 16 listed references | | |
| The following fees have been submitted | | CALCULATIONS PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.192(a))\$300 | | \$300.00 |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by the IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 All other situations\$200 | | \$200.00 |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.92(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB\$400 All other situations\$500 | | \$400.00 |
| Total of 21, 22 and 23 = | | \$900.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing filed in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) |
| 72-100 = | 0/50 = | 0 |
| | | X \$250 |
| Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 C.F.R. 1.492(h)). | | \$0.00 |
| CLAIMS | NUMBER FILED | NUMBER EXTRA |
| Total Claims | 9 - 20 = | 0 |
| Independent Claims | 1 - 3 = | 0 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | + \$360 |
| TOTAL OF ABOVE CALCULATIONS = | | \$900.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. Fees above are reduced by 1/2. | | \$0.00 |
| SUBTOTAL = | | \$900.00 |
| Processing fee of \$130 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(i)) | | \$0.00 |
| TOTAL NATIONAL FEE = | | \$900.00 |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property | | \$940.00 |
| TOTAL FEES ENCLOSED = | | \$940.00 |
| | | Amount to be refunded: |
| | | \$0.00 |
| | | Amount to be charged: |
| | | \$0.00 |

- a. ☒ A check in the amount of \$940.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

PTO Customer No: 26211


SIGNATURE

Samuel Borodach

NAME

38,388

REGISTRATION NUMBER